AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the

application.

Listing of Claims:

1-21   (Canceled)

22.   (New) Abrasion-resistant yarns, fibres and filaments obtained from a

composition comprising a polymer matrix, the polymer matrix consisting of a

polycondensate composed of:

-    30 to 100 mol% (limits included) of macromolecular chains corresponding to

the following formula (I):

$$R_3\text{-}(X\text{-}R_2\text{-}Y)_n\text{-}X\text{-}A\text{-}R_1\text{-}A\text{-}X\text{-}(Y\text{-}R_2\text{-}X)_m\text{-}R_3 \qquad (I)$$
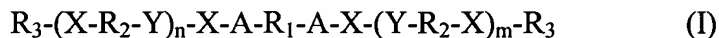
-    0 to 70 mol% (limits included) of macromolecular chains corresponding to the

following formula (II):

$$R_4\text{-}[Y\text{-}R_2\text{-}X]_p\text{-}R_3 \qquad (II)$$
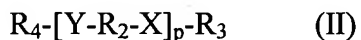
in which:

-X-Y- is a radical resulting from the condensation of two reactive functional groups F_1

and F_2 such that

-    F_1 is the precursor of the -X- radical and F_2 is the precursor of the -Y- radical,

or vice versa,

-    the F_1 functional groups cannot react with one another by condensation,

-    the F_2 functional groups cannot react with one another by condensation,

- A is a covalent bond or an aliphatic hydrocarbonaceous radical which can comprise

heteroatoms and having from 1 to 20 carbon atoms,

- R_2 is a branched or unbranched, aliphatic or aromatic, hydrocarbonaceous radical

having from 2 to 20 carbon atoms,

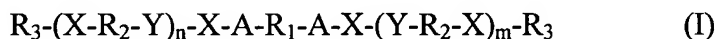- R_3 or R_4 represents hydrogen, a hydroxyl radical or a hydrocarbonaceous radical,

- R_1 is a linear or cyclic, aromatic or aliphatic, hydrocarbonaceous radical having at

least 2 carbon atoms and, optionally, heteroatoms, and

- n, m and p each represent a number between 50 and 500.

23.   (New) The yarns, fibres and filaments according to Claim 22, wherein the

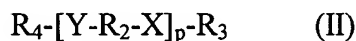polymer matrix consists of a polyamide A1 composed of:

- 30 to 100 mol% (limits included) of macromolecular chains

corresponding to the following formula (I):

$$R_3\text{-}(X\text{-}R_2\text{-}Y)_n\text{-}X\text{-}A\text{-}R_1\text{-}A\text{-}X\text{-}(Y\text{-}R_2\text{-}X)_m\text{-}R_3 \qquad (I)$$

- 0 to 70 mol% (limits included) of macromolecular chains

corresponding to the following formula (II):

$$R_4\text{-}[Y\text{-}R_2\text{-}X]_p\text{-}R_3 \qquad (II)$$

in which:

- Y is the $-\overset{\displaystyle |}{\underset{\displaystyle R_5}{N}}-$ radical when X represents the $-\overset{\displaystyle C}{\underset{\displaystyle O}{\|}}-$ radical,

- Y is the $-\overset{\displaystyle C}{\underset{\displaystyle O}{\|}}-$ radical when X represents the $-\overset{\displaystyle |}{\underset{\displaystyle R_5}{N}}-$ radical,

- A is a covalent bond or an aliphatic hydrocarbonaceous radical having from 1 to 20

carbon atoms, and, optionally, heteroatoms,

- R_2 is a branched or unbranched, aliphatic or aromatic, hydrocarbonaceous radical

having from 2 to 20 carbon atoms,

- R_3 or R_4 represents hydrogen, a hydroxyl radical or a hydrocarbonaceous

radical having a $-\overset{\displaystyle \|}{\underset{\displaystyle O}{C}}-$

or $-\overset{\displaystyle |}{\underset{\displaystyle R_5}{N}}-$ group,

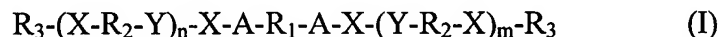- R_5 represents hydrogen or a hydrocarbonaceous radical having from 1 to 6 carbon atoms,

- R_1 is a linear or cyclic, aromatic or aliphatic, hydrocarbonaceous radical having at least

2 carbon atoms and, optionally, heteroatoms, and

- n, m and p each represent a number between 50 and 500.

24.   (New) The yarns, fibres and filaments according to Claim 22, wherein the polymer
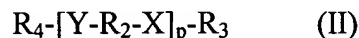
matrix consists of a polyester A2 composed of:

-     30 to 100 mol% (limits included) of macromolecular chains

corresponding to the following formula (I):

$$R_3\text{-}(X\text{-}R_2\text{-}Y)_n\text{-}X\text{-}A\text{-}R_1\text{-}A\text{-}X\text{-}(Y\text{-}R_2\text{-}X)_m\text{-}R_3 \qquad (I)$$

-   0 to 70 mol% (limits included) of macromolecular chains

corresponding to the following formula (II):

$$R_4\text{-}[Y\text{-}R_2\text{-}X]_p\text{-}R_3 \qquad (II)$$

in which:

- Y is the —O— radical when X represents the $-\overset{\displaystyle \|}{\underset{\displaystyle O}{C}}-$ radical,

-Y is the $-\overset{\displaystyle \|}{\underset{\displaystyle O}{C}}-$ radical when X represents the —O— radical,

- A is a covalent bond or an aliphatic hydrocarbonaceous radical having from 1 to 20

carbon atoms, and, optionally, heteroatoms,

- R_2 is a branched or unbranched, aliphatic or aromatic, hydrocarbonaceous radical

having from 2 to 20 carbon atoms,

- R_3 or R_4 represents hydrogen, a hydroxyl radical or a hydrocarbonaceous radical

having a $-\overset{\overset{\displaystyle O}{\|}}{C}-$ or $-O-$ group,

- R_1 is a linear or cyclic, aromatic or aliphatic, hydrocarbonaceous radical having at least

2 carbon atoms , and, optionally, heteroatoms, and

- n, m and p each represent a number between 50 and 500.

25   (New) The yarns, fibres and filaments according to Claim 24, wherein n, m and

p are between 100 and 300.

26.   (New) The yarns, fibres and filaments according to Claim 23, wherein the

polyamide A1 or the polyester A2 has at least 45 mol%, preferably at least 60 mol%,

of macromolecular chains corresponding to the formula (I).

27.   (New) The yarns, fibres and filaments according to Claim 23, wherein the

polyamide A1 or the polyester A2 exhibits a number-average molecular mass at least

equal to 25 000 g/mol.

28.   (New) The yarns, fibres and filaments according to Claim 22, wherein R_2 is a

pentamethylene radical.

29.   (New) The yarns, fibres and filaments according to Claim 23, wherein the

polyamide A1 or the polyester A2 is obtained by copolymerization from a mixture of

monomers comprising:

     a) a difunctional compound, the reactive functional groups of which are chosen

from amines, carboxylic acids, alcohols, and their derivatives, the reactive

functional groups being identical,

b) monomers of following general formulae (IIIa) and (IIIb), in the case of the
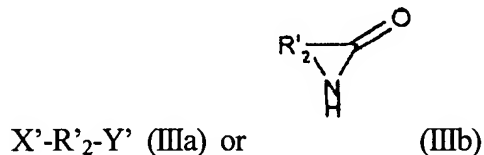
polyamide A1

X'-R'$_2$-Y' (IIIa) or (IIIb)

b') monomers of following general formulae (IIIa') and (IIIb'), in the case of

the polyester A2

X'-R'$_2$-Y' (IIIa) or (IIIb)
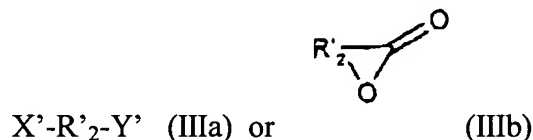
in which:

R'$_2$ represents a substituted or unsubstituted, aliphatic, cycloaliphatic or aromatic,

hydrocarbonaceous radical having from 2 to 20 carbon atoms and, optionally,

heteroatoms,

Y' is an amine radical when X' represents a carboxyl radical, or Y' is a carboxyl

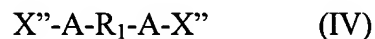radical when X' represents an amine radical, in the case of the polyamide A1, and

Y' is a hydroxyl radical when X' represents a carboxyl radical, or Y' is a carboxyl

radical when X' represents a hydroxyl radical, in the case of the polyester A2.

30.   (New) The yarns, fibres and filaments according to Claim 29, wherein the

compound a) represents between 0.05 and 1 mol% with respect to the number of moles

of monomers of type b) or b').

31.   (New) The yarns, fibres and filaments according to Claim 23, wherein the

polyamide A1 or the polyester A2 is obtained by melt blending a polyamide of the type

of those obtained by polymerization of lactams and/or amino acids or a polyester of

the type of those obtained by polymerization of lactones and/or hydroxy acids with a

difunctional compound, whose reactive functional groups are amines, alcohols,

carboxylic acids or their derivatives, the reactive functional groups being identical.

32.   (New) The yarns, fibres and filaments according to Claim 31, wherein the

difunctional compound represents between 0.05 and 2% by weight with respect to the

weight of polyamide or of polyester.

33.   (New) The yarns, fibres and filaments according to Claim 29, wherein the

difunctional compound is represented by the formula (IV):

$$X''\text{-}A\text{-}R_1\text{-}A\text{-}X'' \qquad (IV)$$

in which X'' represents an amine radical, a hydroxyl radical, a carboxyl group or their

derivatives.

34.   (New) The yarns, fibres and filaments according to Claim 29,

wherein the difunctional compound is adipic acid, decanedioic acid, sebacic acid,

dodecanedioic acid, terephthalic acid, isophthalic acid, hexamethylenediamine,

methylpentamethylenediamine, 4,4'-diaminodicyclohexylmethane, butanediamine,

metaxylylenediamine, 1,3-propanediol, 1,2-ethanediol, 1,4-butanediol,

1,5-pentanediol, 1,6-hexanediol or polytetrahydrofuran.

35.   (New) The yarns, fibres and filaments according to Claim 23, wherein the

polyamide A1 or the polyester A2 is obtained by melt blending a polyamide obtained

by polymerization of lactams and/or amino acids or a polyester obtained by

polymerization of lactones and/or hydroxy acids with a compound of formula (V)

$$G-R-G \qquad (V)$$

in which

R is substituted or unsubstituted, linear or cyclic, aromatic or aliphatic,

hydrocarbonaceous radical , optionally having heteroatoms, and

G is a functional group or a radical which can selectively react either with the amine

reactive functional groups or with alcohol reactive functional groups or with the

carboxylic acid reactive functional groups of the polyamide or of the polyester, to form

covalent bonds.

36.   (New) The yarns, fibres and filaments according to Claim 35, wherein the

compound of formula (V) represents between 0.05 and 2% by weight with respect to

the weight of polyamide or of polyester.

37.   (New) An article comprising yarns, fibres and/or filaments as defined in Claim

22.

38.   (New) The article according to Claim 37, being a felt for a paper-making

machine.

39.   (New) The article according to Claim 37, being a carpet, or a fitted carpet.

40.   (New) The article according to Claim 37, being a rope or a belt.

41.   (New) The article according to Claim 37, being a fabric for print transfer or for

filtration.

42.   (New) The article according to Claim 37, being a net.